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Embry-Riddle Aeronautical University

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Air Force cadets fly at Riddle

Their presence strongly affects other students in the flight program

By Susan S. Selig
Avion Staff Reporter

Summer of 1987 marks Embry-Riddle's second summer under contract with the U.S. Air Force's Flight Screening Program (FSP). At an approximate cost of \$1.5 million dollars for a guaranteed three summers, Embry-Riddle will just barely cover expenses, states Chancellor Eric Dooten. He further commented that the philosophy behind bidding for the Air Force's contract was not to lose or gain money but rather to utilize a potential "part of this University's service component in aviation. . . We owed it to our country without turning this (FSP) into a big profit venture."

Dooten is unsure if the Air Force will seek further contracts with ERAU; but if they do, the charge will steepen. While the current contract fails to include overhead expenses which incur regardless of the Air Force's presence, future contracts would cover these costs. The \$1.5 million dollar bill is based on the average room and board and flight fees for Riddle students and include a cost-of-living escalator if price changes are needed.

FSP Effects Students

While many flight students are opposed to the summer training program (see this issue's Open Forum), Dooten and Chief Flight Instructor, Paul McDuffee agree on several benefits of training cadets here. We

gain "favorable attention and publicity as a civilian organization doing official Air Force screening," expresses McDuffee. Dooten adds that "summer is traditionally a turnover time for our instructors. The FSP gives Riddle a chance to hire more instructors and the instructors a chance to be trained in Riddle ways."

Added to this induction phase is an opportunity for continuity. Dooten explains "It has been hard to get students to stay during summer." The Air Force cadets keep operations at full tilt which allows efficient aircraft utilization.

Dooten was confronted about the possibility that FSP may deter flight students even more from remaining over the summer. The Chancellor was also asked about the often inconvenient procedure of separating some instructors from Riddle students for screening cadets. He admitted that some students have declined to sign up for summer flight because of last year's problems. Dooten was not surprised and stated, "I'm sorry about that, but we do have a contract [to uphold]."

Student input may be one reason Riddle does not bid again for further FSP contracts.

With reference to discontinuous training, Dooten claimed that instructors are always "the hardest to predict." Regardless of the time of year, students must switch instructors who leave for other jobs.

Increased aircraft maintenance needs can be blamed

See CADET, page 3



The long stretch...

AeroEngineer First baseman, Brian Mossell, makes the receiving stretch to force out

Outlaws left-center-fielder Eric Harman. See detailed story and photo on page 8.

Avion photo by Robert W. Brown

Ramp accident damages plane

By Martin F. Smith
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One of Embry-Riddle's Cessna 172s was involved in a ramp accident at Tallahassee municipal airport. There were no injuries associated

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requested their assistance when Embry-Riddle was awarded privileges for issuing Instructor's Certificates several years ago. McDuffee states that "what we are trying to do here is standardize our evaluation process."

All of the Embry-Riddle phase-check pilots were required to attend the seminar. The seminars were composed of a lecture covering correct evaluation procedures, a videotaped segment of an actual check-

ride, and a practical hands-on workshop.

Mr. Bragg continued to emphasize the importance of having consistency. He stated that Embry-Riddle issues close to 1100 flight certificates a year, and that the evaluation procedure is the most important integral part of the education process. Bragg commended, "Embry-Riddle check-ride pilots are very knowledgeable due to their constant exposure in evaluating students."

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Cheers...

Engineering student, Todd Parcell, enjoys a couple of cool beverages with friends at the

SGA's pool party. Over 200 students showed up for the party. Story on page 6.

Avion photo by Robert W. Brown

Aircraft sought for island

By Chris Legoyd

In concurrence with the University's progressive program of construction, an office of sorts is planned for the center island in front of the Hunt Library. The program, although still in the planning stages, calls for some kind of structure that would epitomize the university as a whole.

Some people have suggested that, perhaps, a military plane would suit the purpose. However, university president, Kenneth Tallman, states "I don't think we

should have a military plane, although we have a nice ROTC detachment, we're not a military school."

"And then there are those who say, 'Well, the future is what counts so we ought to have something futuristic.' But, it's hard to get all excited about that," President Tallman commented, "when you see an old biplane up there, everyone starts telling stories."

A Waco biplane, which was

See ISLAND, page 6

Funding tops list of student concerns

National On Campus Report

A surprising 41 percent of student leaders - a fourfold increase over last year - listed funding for education as the major national problem. National On-Campus Report's annual survey of student leaders and campus newspaper editors found that while money tops the list, their worries now include AIDS and nuclear war.

Top-Rated National Issues

"Student debt . . . is becoming burdensome. A solution needs to be found, so students will not

make education or employment plans based solely on money," said one editor. And a student leader wrote, "The major problem facing our colleges and universities is that of access. For the past few years financial aid has been decreasing and income increasing."

For the first time in several years, a new issue appeared on the list of problems: AIDS was listed as the major national problem by 13 percent of the editors and six percent of student leaders. "A solution to AIDS must be found. (Students) have been lucky, but the problem will soon affect them," said one editor.

Meanwhile, the number of students most concerned with foreign relations dropped from 18 percent last year to less than eight percent in 1987. The result was unexpected, considering national media coverage of U.S. arms shipments to Iran and Central America. Possibly, students view funding for education and AIDS as problems more likely to affect them directly.

Apathy Leads Campus Problems

As in the past years, student leaders and editors said the biggest campus problem was student apathy. Many related the problem to increased numbers of commuter students. One editor wrote, "Apathy! Apathy! Apathy! Average student age is 22. We have no dorms, it's just a big building

"Communication between students, faculty, and administration is very poor . . . apathy is high as a result."

Students also linked apathy to student empowerment. "Too many students complain . . . but take no initiative. . . They have to learn that speaking up can help," said a student leader. "Students need to assume greater responsibility for their education; (they should) demand more from instructors and administrators," said an editor.

Other problems were important on different

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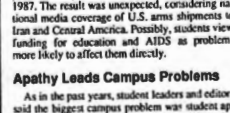
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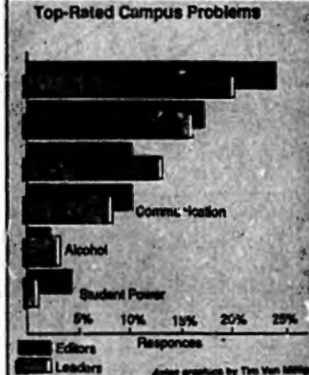
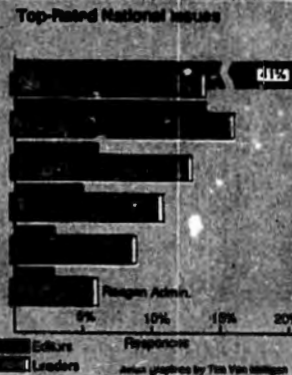
A few linked apathy to campus communications. "There is very little cooperation between the residents, commuters, and fraternities -- no interaction. This causes a lack of school spirit," said a student leader. Another leader wrote,

"Communication between students, faculty, and administration is very poor... apathy is high as a result."

Students also linked apathy to student empowerment: "Too many students complain... but take no initiative... They have to learn that speaking up can help," said a student leader. "Students need to assume greater responsibility for their education; (they should) demand more from instructors and administrators," said an editor.

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See LIST, page 3



Editorial

The lighter side of the Admin building

Finally, students do not have to travel across town, nor across the state to see an administrator or University staff member. Although educational facilities are lacking, and administrators are taking up valuable parking spaces, we are glad to see the administration building finally built.

The building itself is aesthetically pleasing to the eye, and keeps with the tradition that no two buildings on this campus shall look alike. With the rounded corners, the administration thought that they could hide the building from the students by using the latest stealth technology, but although it will not appear on airport radar, the students (trained in the latest building recognition tactics) still have eyes. The inside of the building has all sorts of neat little gadgets and other "things" that will definitely live up to any employees day...

Talk: President Tallman's office for instance. To start with, he has the best view of any cracker box in the place. Being an aviation type person, he can spend hours each day staring out the window watching the planes take-off and land. Well, anyway, that's the excuse he could give to any observing bystander while he is actually standing in front of the curved glass windows while he looks at the distorted reflection of himself off the glass, similar to the carnival mirrors that make even the skinniest person look obese.

While standing in front of the windows, President Tallman could also keep tabs on University employees as they walk to the U.C. on their "extended" lunch breaks (that is, if employees will eat the food served in the University Center). If that's not enough fun for one day, he could send Morse Code messages to the office below him by tapping on one of the two vertical steel beams that are also located in his office.

On those extremely slow days, the University President could keep himself occupied for hours running in and out of the office turning the lights on and off thanks to those motion sensing light switches. If he gets dizzy from doing this, a refreshing cold shower will help - and since he has his own right next to his office, he wouldn't have to go all the way over to the pool facilities to do so.

With the vast expanse of the main lobby, a lunchtime volleyball game could give the staff their daily exercise. To freshen-up after a game, the second floor showers could provide the relief needed to survive the rest of the day. Who knows, maybe the team that wins the weekly tournaments could challenge the students.

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With all of this excitement in the new administration building, what next? Gambling. That's right, the vending machines have become multi-button bandits. One lucky gambler could win a free soft drink if lady luck is on his side.

Putting all kidding aside, having the top level administrators on campus can only mean good things in the long run.

Welcome aboard Ladies and Gentlemen!



THINGS JUST WON'T BE THE SAME AFTER YOU GRADUATE. WHO'S GONNA HAVE THE TOILET ON FRIDAY NIGHTS?

Letters to the Editor

BAG

Handicapped Parking

To the Editor:

I read with interest the articles on the parking problem in the June 3rd edition of the Avion. I was appalled to find no mention of the misuse of designated handicapped spaces. As I am a paraplegic confined to a wheelchair, I find this a gross omission.

I feel I should first mention that, although disabled persons spaces are supposed to be close to the destination area, statutes also mandate that the designated parking spaces be wider than normal to allow a person in a wheelchair room to enter and exit his vehicle. Personally, the proximity to destination part doesn't bother me, but I have a lot of trouble if I do not have about three feet between my car and the nearest obstruction. Also I might add that some persons are forced to enter their vehicle from the left side and some from the right side. As a case in point, I can only enter and exit my car from the right (passenger) side.

Granted, this term (Sum A) I have not had any problems, but when the Fall and Spring terms come around

the disabled persons spaces seem to fill up terribly fast, especially when it rains. When the weather is nice I still get tickets after more than three years of parking on campus with a valid State of Florida Handicapped Parking Permit. However, in a heavy rain I can never seem to find an available parking space and most of the cars in the spaces do not display any authorization to park there. Am I the only one who is troubled by the rain? Does Riddle Security not operate on rainy days? These are questions that I feel need to be addressed by Mr. Fountain and the SGA before any proposals are finalized into policy.

John C. Wiggert
Box 1126

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(continued from page 10)

ibbie, a 23 year old freelance writer, to become production manager. Hurlbice, who was not a DBCC student, also took on the role of editor in chief.

In March, Hurlbice was fired by the SGA, which charged that he had not enrolled in the college as he was required to do, and had created a product with which they were not pleased.

"The whole point of a student publication is to give students news and knowledge of what's going on on campus," said Miller, which he contended The Bagpiper did not do. He also said "there is a fine line between what's useful and what isn't." The SGA had heard complaints from both students and parents who were displeased with the paper's quality, content and tone.

Miller said the SGA is "starting from scratch" and developing a handbook with guidelines and job descriptions. Five DBCC fellowships will be given to the top staff members, who will be required to work 32 hours a month. The paper will also continue to receive financial support from DBCC, support that will gradually decrease as the paper becomes self supporting.

But eventually, the newspaper will be independent and free of SGA control, according to Miller.

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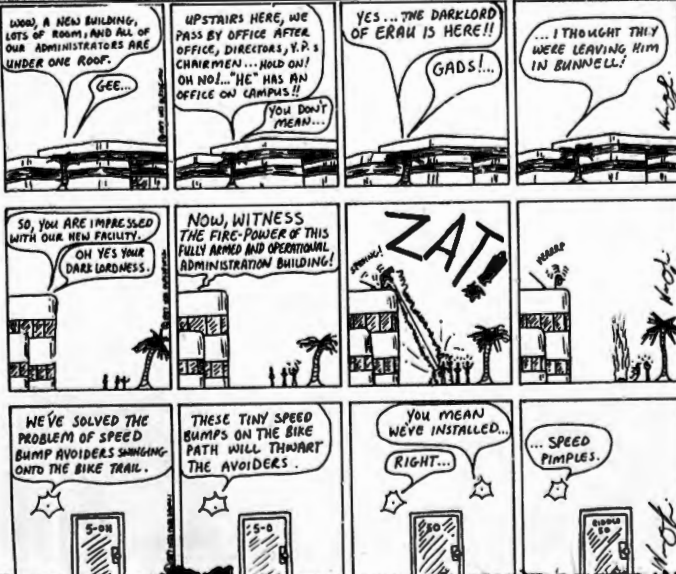
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Although "there have been some difficult times," Dr. Hansen said she is confident the newspaper will reach the point where it does not have to rely on any resources from the college.

"I've got faith in those students," she said.

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Wes Oleszewski



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1987 The Avion Newspaper

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Timothy S. Van Milligan

News Editor

Larry Benninger

Space Technology Editor

Tom Julian

Photography Editor

Paul Novacek

Copy Editor

Paul Novacek

Sports Editor

Brian Mossell

Business Manager

Robert Watt

Advertising Manager

Larry Rice

Production Manager

Chris Legvold

Lab Technician

Robert Ross

Avion Advisor

Dr. Roger Osterholm

This week's staff: Wes Oleszewski, Susan Selby, Marty Smith, Jim Burke, Steve Cagle, Sherryl Yangler, and Lenora O'Neill.

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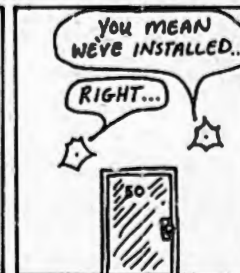
"We came out with a really neat publication," he said, that was "fun to read." And although he concedes there was some mismanagement, "everyone was responsible. Nobody had a clear idea of what they wanted us to do."

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Open Forum

FSP aggravates flight students

By James Vireo
Whiting Center Tutor

Most of the older flight students at Embury-Riddle are well acquainted with the Riddle run-around. We deal with the inconveniences that go hand in hand with learning to fly at an operation as large as the Riddle Flight Department. But lately, many flight students, myself included, feel that the flight training machine is running out of control. Quite simply, we believe the Embury-Riddle Air Force pilot screening program is bogus.

Again this summer we will have several corps of Air Force cadets with Riddle instruction. 300 Air Force cadets will put several thousand hours on the hobs meters of the Riddle fleet. While this goes on, many two and four year flight students are left simmering on the back burner while Riddle cooks up a nice fat training contract with Uncle Sam. This summer the badly overcrowded flight department must push through an extra 300 primary students. This causes major holdups for the regular ERAU flight students. One senior I know was dropped by his instructor so the instructor could screen Air Force cadets. This caused the student to wait three weeks while the flight department found him another instructor. Another student I know had an instructor drop him so the instructor could work

the Air Force contract, however this student was dropped with only two units left until his prog check. Almost every flight student I know has been "no allocated" at some time or another, and now we have 300 more students bunched on the system over a short period of time.

I'm sure the Air Force cadet contract will bring in much more revenue than training 300 regular flight students. That is the sad part. The flight training facilities of this University should not be sold to the highest bidder. It makes you wonder; is the school here for the students, or are the students here for the school?

Regardless, the Riddle flight department shows little loyalty to its steady "customers", the degree program students who must dig up or ask Mom and Dad for thousands of dollars for a Riddle flight degree. We pay too much to be treated like we are. Besides being an insult to the degree program students, the flight screening program is "bad business"; good businesses don't abuse steady customers.

The Embury-Riddle Air Force flight screening program is bogus. It's a two-bid that a flight school which turns out such high quality pilots must be so poorly managed. Perhaps some day Riddle's management practices will catch up with them, or perhaps they'll just be lost in the shuffle.

ERAU named 'excellent'

ERAU Press Release

Embury-Riddle Aeronautical University has been named the Federal Aviation Administration (FAA) Southern Region and Florida state winner of the 1987 Administrator's Award for Excellence in Aviation Education. It was announced by Garland P. Castibey, FAA southern region director.

recognize educators, state aviation officials and organizations who have made significant contributions in the field of aviation education. Since relocating to Daytona Beach 22 years ago, Embury-Riddle has become a world leader in aviation higher education.

In the award announcement, Castibey also thanked the University for its outstanding contribution in support of our nation's youth.

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Certificates for the state and regional awards were presented to Embury-Riddle president Kenneth L. Tallman by Dr. Robert E. Machol, FAA assistant administrator for science and advanced technology, during the opening ceremonies of the Skyfest 87 airshow at the Daytona Beach Regional Airport on Saturday, May 30.

The purpose of the award is to

Stilla, a sizable minority said the school has had a positive impact. "It has led to a lot of things," (Cf-campus) counseling programs have come in to help those in need. And it's led to a revised student conduct code," said one student leader. Several said awareness of the problem was higher, though real impact was slight.

Sometimes the anti-drug abuse campaign had an unintended effect: "People who use drugs are a lot more discreet about it now," said one editor.

Another wrote, "The 21-year-old drinking age had led to an increase in the use of other drugs." In fact, many respondents said alcohol was the real problem. "We have an overwhelming alcohol problem," said one editor. And a student leader from Maine wrote, "Alcohol is our drug problem. Another agreed drugs really weren't the issue. This is Wyoming, and there is a lot of drinking that takes place."

A school's location seemed to play at least a small role in the existence of campus abuse problems. "There are many students with drug problems attending this college. I

RAMP

(continued from page 1)

test lane. The wing span of a Cessna 172 is 36 feet. Had the student been taxing on the center line, his wing tip would have cleared the light pole by five feet.

At the time of the accident, there were no other aircraft parked south of the taxi lane just causing the taxi lane to be indefinite, except for the single yellow center line.

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RAMP

(continued from page 1)

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The unpainted light pole was not damaged. Damage to the aircraft appears to be limited to a dent and damaged rivet on the leading edge of the left wing. Cost of repair is estimated to be \$1000.

This is the second accident in as many months involving an ERAU aircraft. "On April 25 an F4U student with 65 hours total time lost control of N125ER during a landing at Daytona Beach Regional airport.

feel this is due to the major cities immediately surrounding us," said a student leader.

Church Drugs

Type of school, however, proved more important. "Drug use is minimal here, (despite) the school's location," said an editor from a private school in New York City. And an editor from a Baptist college wrote, "Alcohol and tobacco are not even allowed on campus. We have strict rules here."

But rules alone don't always solve the problem. A student leader from another Baptist college said the school's strictness in campus discipline underground. This makes it hard to help students who may have a problem.

Students at a few non-religious schools also complained about a lack of communication and information. "Drug use and abuse is an unmentioned topic in campus discussions . . . Gossip is the primary method of campus communication," said one editor. Another wrote, "There obviously are some users because an occasional O.D. death filters through the grapevine. But getting news on the matter is impossible. (There's) a real 'hush up' attitude to protect the family and the campus image."

More than one editor said officials termed more concerned with the school's reputation than with student safety. The drug situation at

early March predicated a huge increase in accumulated flight hours in late March and April. This rush required more inspections and engine changes during this Summer A term. Also, nine beige and tan aircraft are presently being rotated for re-painting into Riddle's fleet colors of blue and gold.

Flight deck clerk Kelvin Jordan describes this summer's schedule as being tight with little room for "blue slips." Nonetheless, Kelvin has not noticed an unusually high number of cancelled flights due to aircraft availability. McDuffie blames "any problems of this summer as being maintenance related."

The Air Force's Chief Quality Assurance Evaluator, Major Lonnie Calverley, is stationed here to assure that Riddle adheres to the contract daily. He states that ERAU was selected from possible bidders based on the price, number of available instructors and instructors, the area's weather, and several other technical points. He states that he has been very pleased with ERAU's performance.

cern for preventing scandal . . . than for the well-being of athletes," said a student at a four-year private school.

Some editors and student leaders were cynical about the campaign itself. "Drug abuse is a problem, but it is now safely buried until someone else dies off," said one editor. "The Drug War was election-year hype. Most likely there are the same number of drug abusers as there ever were," said another.

A student leader wrote, "Self drug abuse is a problem, however legitimate, is being lightly overstated by our government for the purpose of diverting public attention and energy away from criticizing government mismanagement." An editor agreed, "The hype over this drug abuse issue is merely a smokescreen to cover government policy on far more important issues." And another student leader wrote, "I hate to see potential educational dollars being spent on this bad issue."

Some believe the political overtones, in the words of one editor, make "heightened drug awareness" meaningless rind. "Others think the campaign simply isn't helpful. 'People believe the 'Just Say No' campaign is naive," said one leader. Even though they're often cynical about the effectiveness of the national campaign, many respondents said they were concerned about drug use on their own campus. A few reported school surveys

"They're a joy to work with," claims instructor Corinna Dravny. Instructor Ron Greene echoes Dravny's sentiments and claims that "Riddle students want to fly but they're not nearly as motivated." Greene adds, "I hear 'Thank you so much sir' after every flight." Instructor Matthew La Viola suggests that this variance in motivation can be attributed to environmental differences. He says cadets "are here to do that (fly), and only that — while the typical Riddle student has three to five classes" added to flight training. Of course the fact that "all their peers are doing the same thing" results in a cohesive group which is as motivated as they can be."

Instructor Farhad Charnafarosh welcomes the cadets as a change of pace and appreciates the higher motivation levels. However, "their personal abilities are no different really" comments Charnafarosh. He also commented that a Riddle student's attention may be divided with a Physics or a Management class.

Training Schedule

Three training classes with a

this summer informs that each cadet will have to sustain days to complete training. Cadets may have previous flight hours before entering FSP.

Out of this summer's first class of seventy-nine cadets, twelve already have had some flight experience. The first three days of FSP begin with ground school and testing. The program is "much more stringent," explains Stackpole, than Riddle's training. If a cadet comes unprepared for one day (he is grounded from flight that day). A mass briefing is held before each day's flight. During that briefing, cadets must individually recite emergency procedure. When written procedures are required, Charnafarosh says that omitting one word will fail a student for that assignment.

Stackpole states that last year's FSP was more cutthroat toward the cadets, and Riddle instructors had to weed out approximately 30 percent of them. This year efforts will be made to get more cadets. Stackpole says that so far the drop out numbers are close to last summer's however, "we're not looking for the numbers; it just happens."

U of Illinois, Champagne-Urbana — reported 38 percent of students could easily obtain drugs. However, 59 percent wouldn't know where to go for help if they had a drug problem.

Most editors (83 percent) said their newspaper has a non-student advisor. But when asked, "Does anyone, other than student editors, have the authority to hold up publication for potential libel or for any other reason?" only 34 percent responded "Yes." Often, editors responded positively qualified their answers: "our faculty advisor . . . has overruled (the editors) on two occasions in the last eight years," said one. Another wrote, "In my two years on the (newspaper), I know of no instance in which that occurred."

The 34 percent response represents little change from past surveys, in which the response ranged from about 30 to 38 percent. However, the Washington-based Student Press Law Center has reported a recent, sharp rise in censorship cases,

according to the *Chronicle of Higher Education* (April 22, 1987). The survey also described censorship cases at the U. of California-Los Angeles and at California State U.—Northridge. Maybe editors are now more likely to report censorship problems to the center. Or maybe censorship at public universities is on the rise. The issue, at least, bears watching.

In the latest of a series of polls, *National On-Campus Report* surveyed more than 5,770 student editors and editors in February 1987. The response rate was 20 percent, including 620 student leaders and 541 editors. The survey isn't a scientific poll, but does indicate general trends.

Editor's Note: The Avon was also polled for this survey, and the response was as follows. On the National Issues, we said that education funding was most important to Embury-Riddle students. Our response to the Top-Rated News Problem was: censoring, perling, or more specifically, the lack of it.

Leaders & Editors Rate each Other

Editors Rate Student Government	Student Government Rates Editors
Excellent 7 percent	Excellent 12 percent
Good 32 percent	Good 42 percent
Fair 43 percent	Fair 31 percent
Poor 18 percent	Poor 15 percent

Certificates for the state and regional awards were presented to Embury-Riddle president Kenneth L. Tallman by Dr. Robert E. Machol, FAA assistant administrator for science and advanced technology during the opening ceremonies of the Skyfest 87 airshow at the Daytona Beach Regional Airport on Saturday, May 30.

The purpose of the award is to

recognize the outstanding contribution in support of our nation's youth." Embury-Riddle recently launched a partnership program with the Volusia County School System for elementary and secondary school teachers. "The plan is to help students soar in math and science," said Tallman. "We want to help our young people excel through the applications of basic aviation and aerospace principles in their technical courses."

Damage to the aircraft appears to be limited to a dent and damaged rib on the leading edge of the left wing. Cost of repair is estimated to be \$1000.

This is the second accident in as many months involving an ERAU aircraft. On April 25 an FA 105 student with 65 hours total time lost control of N129ER during a landing at Daytona Beach Regional airport.

The Air Force's Chief Quality Assurance Evaluator, Major Lonnie Cakerice, is stationed here to assure that Riddle adheres to the contract daily. He states that ERAU was selected from possible bidders based on the price, number of available aircraft and instructors, the area's weather, and several other technical points. He states that he has been very pleased with ERAU's performance.

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LIST

(continued from page 1)

campuses. Facility improvements and financial issues ranked second and third among problems mentioned.

A number of students reported a need for library improvements, especially extended hours. And several complained of an overemphasis on athletics at the expense of academics. "The priority . . . is for a \$21 million Sports Training Complex. (The development is) to the detriment of our academic programs," said a student leader. And an editor wrote, "Right now on our campus, a baseball team is being proposed, while an honor scholars group is being denied money for activities."

This is the third straight year that facilities improvements and financial issues have rated second and third. When it comes to campus problems, little, it seems, is new.

In spite of the problems, most editors and leaders rated their school administrations as excellent or good.

The national campaign against drug abuse has had little effect on campus, said 62 percent of student leaders and 73 percent of editors.

Still, a sizable minority said the campaign has had a positive impact. "It has led to educational programs . . . (Off-campus) counseling programs have come in to help those in need. And it's led to a revised student conduct code," said one student leader. Several said awareness of the problem was higher, though real impact was slight.

Sometimes the anti-drug abuse campaign had an unintended effect: "People who use drugs are a lot more discreet about it now," said one editor.

Another wrote, "The 21-year-old drinking age had led to an increase in the use of other drugs." In fact, many respondents said alcohol was the real problem. "We have an overwhelming alcohol problem," said one editor. And a student leader from Maine wrote, "Alcohol is our drug problem." Another agreed drugs really weren't the issue: "This is Wyoming, and there is a lot of drinking that takes place."

A school's location seemed to play at least a small role in the existence of campus abuse problems. "There are many students with drug problems attending this college. I

feel this is due to the major cities immediately surrounding us," said a student leader.

Church Drugs

Type of school, however, proved more important. "Drug use is minimal here, (despite) the school's location," said an editor from a private, technical school in New York City. And an editor from a Baptist college wrote, "Alcohol and tobacco are not even allowed on campus. We have strict rules here."

But rules alone don't always solve the problem. A student leader from another Baptist college said the school's strict rules "put any problems underground. This makes it hard to help students who many have a problem."

Students at a few non-religious schools also complained about a lack of communication and information: "Drug use and abuse is an unmentioned topic in campus discussions . . . Gossip is the primary method of campus communications," said one editor. Another wrote, "There obviously are some users because an occasional O.D. death filters through the grapevine. But getting news on the matter is impossible (There's) a real 'hush-up' attitude to protect the family and the campus image."

More than one editor said officials seemed more concerned with the school's reputation than with student welfare. The drug-testing of athletes is done "more out of con-

cern for preventing scandal . . . than for the well-being of athletes," said an editor at a four-year public school.

Some editors and student leaders were cynical about the campaign itself. Drug abuse "is a non-issue . . . It is now safely buried until someone else dusts it off," said one editor. "The Drug War was election-year hype. Most likely there are the same number of drug abusers as there ever were," said another.

A student leader wrote, "Substance abuse as a problem, however legitimate, is being highly overstated by our government for the purpose of diverting public attention and energy away from criticizing government mismanagement." An editor agreed. "The hype over this drug abuse issue is merely a smokescreen to cover government policy on far more important issues." And another student leader wrote, "I hate to see potential educational dollars being spent on this fad issue."

Some believe the political overtones, in the words of one editor, make "heightened drug awareness a meaningless trend." Others think the campaign simply isn't helpful. "People believe the 'Just Say No' campaign is naive," said one leader.

Even though they're often cynical about the effectiveness of the national campaign, many respondents said they were concerned about drug use on their own campuses. A few reported school surveys on the issue. One study -- completed by journalism students at the

U. of Illinois, Champaign-Urbana -- reported 58 percent of students could easily obtain drugs. However, 59 percent wouldn't know where to go for help if they had a drug problem.

Most editors (83 percent) said their newspaper has a non-student advisor. But when asked, "Does anyone, other than student editors . . . have the authority to hold up publication for potential libel or for any other reason?" only 34 percent responded "yes." Often, editors responding positively qualified their answers: "our faculty advisor . . . has overruled (the editors) on two occasions in the last eight years," said one. Another wrote, "In my two years on the (newspaper) I know of no instance in which that occurred."

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Editor's Note: The Avion was also polled for this survey, and responded as follows. On the top National Issues, we said that education funding was most important to Embury-Riddle students. Our response to the Top-Rated Campus Problem was campus parking, or more specifically, the lack of it.

Leaders & Editors Rate each Other

	Editors Rate Student Government	Leaders Rate Campus Newspaper
Excellent	7 percent	12 percent
Good	32 percent	42 percent
Fair	42 percent	31 percent
Poor	9 percent	14 percent

Secrets of the Northern lights dissolved by two NASA scientists

National Aeronautics and Space Administration

WASHINGTON, D.C. — The long held view that the northern lights are part of the magnetic storms themselves is incorrect, according to two scientists from NASA's Jet Propulsion Laboratory, Pasadena, Calif.

In a paper recently presented before the American Geophysical Union spring meeting in Baltimore, Md., Drs. Bruce Tsurutani and Walter Gonzalez described a more complex and continuous process as the source of the Aurora Borealis and the similar south pole phenomenon, the Aurora Australis.

It is well known that magnetic storms are caused by solar flares and other solar disturbances which blast out into the interplanetary medium. Tsurutani and Gonzalez have shown that the cause of major magnetic storms are intense interplanetary electric fields that last for more than 3 hours. The effects of these fields, however, are short-lived, they said.

The northern and southern light which for days to weeks in the trailing portion of the storm is not part of the storm decay, as has been the long-held view of the scientific community, but are caused by waves, called Alfvén waves.

Tsurutani and Gonzalez, working with data provided for 500 consecutive days by the International Sun Earth Explorer-3 satellite (ISEE-3), have investigated the process causing the long-lasting aurora.

The process begins with wave action propagating through the plasma, the interplanetary medium, between the sun and Earth, Tsurutani said. The waves originate near the sun, but their cause is presently not known, he said.

The waves cause directional changes in the interplanetary magnetic field. When the wave field becomes opposite to the northward direction of Earth's magnetic field, a magnetic interaction occurs and the two fields are coupled.

"In short, the interplanetary magnetic field, which originates with the sun, connects with the Earth's magnetic field and pulls the field in the downstream direction away from the sun," Tsurutani said.

This magnetic field reconnects behind the Earth and causes charged atomic particles to slingshot toward the night side of Earth.

When the plasma gets close to the planet, an instability occurs and causes the particles to scatter. Then, the ions and electrons follow the magnetic field lines of Earth toward its surface at both poles. They strike atoms in the upper atmosphere and excite them to higher energy.

These excited atoms radiate this excess energy by emitting light which is characteristically seen as the wavy red and green lights of the aurora.

The scientists said that magnetic storms are a continuous process, but differ in intensity. Very large storms are rare and occur about once in every 3 or 4 years. Large storms occur once every month or two and substorms occur every 3 hours.

They said the solar wind, the constant stream of particles emitted by the sun, may be initially accelerated by Alfvén waves near the sun.

"What we may be seeing," Tsurutani said, "are the remnants of the solar wind acceleration process striking the Earth's magnetic field, causing injection of the solar wind into the Earth's atmosphere."

The ISEE-3 satellite, later named ICE for International Cometary Explorer to examine the comet Giacobini-Zinner in 1985, is under the control of NASA's Goddard Space Flight Center, Greenbelt, Md. It was in orbit about 850,000 miles from Earth when the data were acquired in 1978 and 1979 for the Tsurutani-Gonzalez study.

Tsurutani is a JPL scientist conducting research in magnetic fields. Gonzalez, a highly respected scientist, spent 1 year on leave from the Instituto de Pesquisas Espaciais in Sao Jose dos Campos, Brazil.



Staff members begin the chore of unpacking all the office paperwork and supplies into the new administration building now called "Spruance Hall." The big move took place over the weekend of June 6 and 7.

Year of 'Supers' stirs interest in sciences

By Malcolm Rittler
AP Science Writer

NEW YORK — Any year that brings news of a superconducting super collider, superconductivity and a super hero is, well, super.

But science is tough enough to understand without such a mix of easily confused names. And what is so super about these things, anyway?

Here is a quick guide. **SUPERCONDUCTIVITY** - This is the ability of some materials to conduct electricity without resistance.

In ordinary conductive, some electric current is lost to resistance. Superconductivity could one day lead to better computers, magnetically levitated trains and more efficient generation and transmission of electrical power.

Materials have to be chilled before they become superconductors, and until recently they had to be made colder than 400 degrees below zero Fahrenheit. That cost too much to be economically appealing.

But since last year, scientists have been reporting superconductivity in a new class of materials at much

warmer temperatures. A new report includes evidence for superconductivity at temperatures as high as 9 degrees above zero Fahrenheit, and its authors say they later saw evidence at 45 degrees.

What makes superconducting materials so special? In ordinary conductors, some of the electrons flowing as electric current scatter and dissipate energy. When superconductors get cold enough, according to theory, electrons pair off and move through the material without the energy-wasting scatter. The resulting current can go on indefinitely.

SUPERCONDUCTING SUPER COLLIDER - This proposed project involves building a 53-mile-long tunnel loop, around which two beams of tiny particles would race in opposite directions. The idea is to create head-on collisions.

From the crashes, physicists hope to learn if matter is made up of even smaller building blocks than those identified so far, and learn more about the particles of matter and the forces that act on them.

The \$4.4 billion super collider would use 10,000 superconducting magnets to guide the two beams of

particles, called protons. It is a "super collider" because it would accelerate the protons until they packed some 20 times the punch - or kinetic energy - that existing machines can create.

Even at that energy level, however, a proton would have only about 1/1000th the kinetic energy as a mosquito in flight. A proton is extremely small - 100 billion protons are as wide as a human hair - and so packs its energy very densely.

As the two beams of protons intersect in the super collider, most would continue unscathed. But huge amounts of energy would be released when a collision smashes a "quark," a building block of one proton, into the quark of another proton.

The energy would create jets of tiny new particles, some of which may never have been observed before. The trajectories and other properties of the particles would then be studied for clues to the world of the very, very small.

SUPERNOVA - This is a star that explodes at the end of its life. The explosion leaves an incredibly dense, crushed core and, in a few days, can radiate as much energy as

the sun does in 10 billion years.

A supernova is totally different from an ordinary nova, a pair of stars that shows a temporary increase in brightness. In an ordinary nova, one star sheds material that is sucked up by the extreme gravitational pull of the other, making the material heat up and explode. A given pair of stars can do that more than once.

A supernova explosion, which shines more than 100 times more brightly, may take place only once per century in our galaxy, the Milky Way. But astronomers have recorded hundreds in other galaxies.

That is what happened in February, when astronomers sighted a supernova explosion in the nearby Large Magellanic Cloud galaxy nearly 1 million trillion miles from Earth. It was an exciting find because it was the closest supernova in some 400 years, and it was caught in a very early phase of the explosion.

Scientists are now studying how gases and particles are spreading from the star, how various forms of energy change as the explosion matures and whether heavy metals such as gold, lead and platinum form in such explosions.

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6/28 - 7/4	114.34	201.04	271.11	295.64
7/5 - 7/11	95.89	169.14	227.91	228.52

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NOTICES

STUDENT EMPLOYMENT

In order to work on campus a student must have a CGPA of 2.00, be enrolled at least 6 credit hours (includes Summer A & B), and have completed at least 60 percent of your attempted credit hours. If you are interested in working either on or off campus, please stop by the Student Employment Office located in the University Center. There are many on and off campus jobs currently available.

FAA EXAMINATIONS

Embry-Riddle Aeronautical University will administer FAA Pilot and/or Instructor Written Examinations for the following:

1. (PA) Private Pilot-Airplane
2. (CA) Commercial Pilot-Airplane
3. (FIA) Flight Instructor-Airplane
4. (FOI) Fundamentals of Instruction-Flt. & Ground Inst.
5. (BOI) Fundamentals of Instruction-Basic
6. (AOI) Fundamentals of Instruction-Advanced
7. (ATP) Airline Transport Pilot-Airplane (FAR Part 121)
8. (ADX) Aircraft Dispatcher
9. (ATA) Airline Transport Pilot-ATP Airplane (FAR 135)
10. (RA) Instrument Rating-Instrument Pilot Airplane
11. (FI) Instrument Rating-Flight Instructor-Airplane
12. (IGI) Instrument Rating-Ground Instructor-Instrument
13. (FEI) Flight Engineer-Basic
14. (FET) Flight Engineer-Turbojet
15. (FEX) Flight Engineer-Turbojet/Basic

DATE	TIME	PLACE
June 30 (Tuesday)	0830H-113	QRW Complex

Students intending to take an FAA Pilot Written Examination are required to sign up in Office D-200 or call extension 1307 PRIOR to examination day.

At the time of the examination, each student must PRESENT A RECEIPT for pilot exam fee, validated by the Cashier's Office; a WRITTEN AUTHORIZATION FORM signed by an appropriate AERONAUTICAL SCIENCE DIVISION GROUND INSTRUCTOR, or the failed results of a PREVIOUS FAA WRITTEN EXAMINATION, and present a PERSONAL IDENTIFICATION An Airmen Certificate, driver's license, or other official document.

Explanation of appropriate forms and procedures will be given at 0830. Immediately thereafter, testing will commence and UNLESS PRIOR ARRANGEMENTS HAVE BEEN MADE, LATE EXAMINEES WILL NOT BE PERMITTED TO ENTER THE EXAMINING AREA WHILE TESTING IS IN PROGRESS.

COMPUTER COURSE ADDED

We have added a COBOL course to our Course Offerings for the Summer B Trimester. CIS 230-1 Applications Program Development I Daily 0800-0900.

STUDENT POETRY CONTEST

The American Poetry Association sponsors several poetry contests a year with 430 winning poets selected from thousands of entrants. Prizes awarded total more than \$16,000, including Grand Prizes of \$1,000. The current contest's deadline is June 30.

Poets interested in entering the contest should send three poems, each no more than 20 lines, with their names and addresses on the top of each page, to American Poetry Association, Dept. CN-20, 250-A Potrero Street, P.O. Box 1803, Santa Cruz, CA 95061-1803.

"We especially enjoy seeing poetry from college and university students. That's why we set deadlines they can easily meet," said John Frost, chief editor for the Association. "After final examinations are over, students will still have time to send us poems by June 30th," he added.

Poets who qualify in an APA contest later receive invitations to other APA contests, also endowed with \$1,000 Grand Prizes.

During six years of sponsorship the American Poetry Association has run 18 contests and awarded over \$60,000 in prizes to many hundreds of winning poets.

HOUSING POLICIES

- * Housing contracts are effective for the trimester one enters housing through the end of Summer B.
- * Students who live off campus may apply for housing for Spring and Summer terms by coming into the Department of Housing.
- * Room changes and/or facility transfers may be requested after Sept. 14 at the Department of Housing.
- * Incoming students residing in Residence Hall I and II may not register their cars for on-campus parking during their first year at ERAU due to the parking shortage.

AIR TRAFFIC CONTROL CO-OPS

FAA Southern Region is accepting applications for Air Traffic Control Co-op positions for Fall 1987. The Air Traffic Control exam will be given on June 29 if there is enough interest.

Co-op students wishing to take the test would notify the Career Center by Friday, June 12. They should follow-up by sending: resume, transcript, and SF-171 form to the Career Center.

FINAL EXAM SCHEDULE

Final exams for Summer A 1987 will be held on Monday and Tuesday, June 22 and 23.

The following exams will be held in their regularly scheduled classroom unless other arrangements are made by the instructor.

CLASS MEETING TIME EXAM DAY AND TIME

0800 - 0900	MONDAY	0800-1000
0910 - 1010	TUESDAY	0800-1000
1020 - 1120	MONDAY	1030-1230
1130 - 1230	TUESDAY	1030-1230
1240 - 1340	MONDAY	1300-1500
1350 - 1450	TUESDAY	1300-1500
1500 - 1600	MONDAY	1530-1730
1610 - 1710	TUESDAY	1530-1730
1730 - 1820	TUESDAY	1530-1730

Those students who have exam conflicts or who are scheduled for three(3) or more exams in on (1) day must make special arrangements with their instructors on an individual basis if they wish to re-schedule ONE (1) of those exams. If Students are unable to accomplish this on their own, they should contact the Department Chairman.

GRADUATING SENIORS

STUDENTS ANTICIPATING DECEMBER '87 GRADUATION: We suggest that you fill out your graduation application as soon as possible in order to get a "PRELIMINARY GRADUATION EVALUATION". This will help to make you completion a smooth one.

FOREIGN STUDENT DIXIE BOAT TRIP

The Foreign Student Services Invites You For The Cruise Of Your Life! Tickets are \$8.00 - But to the first 20 undergraduate who signs up we'll refund \$3.00 towards the ticket. When (good question) Friday night, July 10th. Come and party to the sounds of the Top Forty... (Drinks are not included in the ticket price)... You must come in or call the Foreign Student Services Office to sign-up. Bring your parents, girlfriend, roommate.

CONSUMER RIGHTS SEMINAR

This free one hour seminar will address what you can do as a consumer to protect your rights. Learn how to avoid being "ripped off" and instead get a good deal when purchasing products. The "Citizens Dispose Settlement Program", an avenue you can use to help settle disputes, will also be discussed.

NASA FILMS

Wednesday, June 17, from 1 to 3pm. in room W-310
Nothing So Hidden
Soyuz Test Project
Post Flight Press Conference

We have added a COBOL course to our Course Offerings for the Summer B Trimester. CIS 230-1 Applications Program Development I Daily 0800-0900.

Final exams for summer A 1987 will be held on Monday and Tuesday, June 22 and 23. The following exams will be held in their regularly scheduled classroom unless other arrangements are made by the instructor.

Nothing So Hidden
Soyuz Test Project
Post Flight Press Conference

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Auto Indulgences

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GOOD TOWARDS THE PURCHASE OF
CAR STEREO
CAR SPEAKERS
SUN ROOFS
CRUISE CONTROL
RADAR DETECTORS
AUTO TINT
ALARMS

134 MASON AVE DAYTONA BEACH 252 4310

300 U.S. 1 & 44 OVERPASS NEW SMYRNA BEACH 423 2310

2325 U.S. 1 SOUTH DAYTONA 788 9410

STUDY BREAK!



It wasn't enough that you had an eight o'clock class, you missed lunch and your three o'clock class turned out to be a surprise quiz, but now it's ten o'clock and you're still studying.

This calls for an official study break. This is how to take an official study break:

1. Close your books.
2. Call the Domino's Pizza location nearest you and order your favorite pizza.
3. Put your feet up.
4. In 30 minutes or less, head the Domino's Pizza delivery professional the coupon below.

5. Return to your desk and ate your tenth slice of delicious slice of hot, freshly made pizza.
6. (Optional) Return to studying when finished.

Call America's favorite pizza delivery people on your next study break. We guarantee free delivery in 30 minutes or less, or we'll take \$3.00 OFF the price of your pizza!

Serving Embry Riddle Aeronautical University
255-1711
520 North Nova

Meat
4:30PM-1AM Sun-Thurs
4:30PM-2AM Fri & Sat

Limited delivery areas. Drivers carry under \$20. ©1987 Domino's Pizza, Inc.

One call does it all!
DOMINO'S PIZZA DELIVERS FREE.

MEAL DEAL \$7.99!

Order a delicious 12" small pizza with any TWO toppings and TWO 16 oz. non-returnable bottles of Coca-Cola and you pay only \$7.99! (Tax included)

Not valid with any other coupon or offer. Offer good thru 6/30/87

Our 12" 8-slice small pizza serves 2-3 persons.

Crime abatement survey given

By Steve Cagle
Avion Staff Reporter

More than 6.5 million crimes are committed against people between the ages of 12 and 19, and of these, 70 percent involve the stealing of property — one of every three crimes happens to individuals between the ages of 12 and 24 — schools are five times more likely to be burglarized than stores or other commercial establishments.

Crime statistics such as these are compiled and routinely provided to the public by police departments throughout the country, but most citizens are more interested in avoiding becoming a victim than in the statistics. In order to prevent crimes from occurring, police departments often have specially trained crime prevention officers whose job it is to educate the public on methods to avoid becoming crime victims.

One of the most successful programs is the neighborhood watch program, in which citizens are organized, educated and trained to spot suspicious activity and report it quickly to the police. By watching

out for each other and "getting involved," individuals are able to prevent crimes by enabling police to stop them in progress or to solve them by providing useful information.

People are also taught how to "crime proof" their homes and property by learning how to make it more difficult for criminals to operate. Identifying and marking property, using strong locks and doors, and installing adequate lighting are some common methods of "crime proofing."

During the end of the spring trimester, Officer Gary Wandell of the South Daytona Police Department conducted a crime prevention "walk-through" of the Embury-Riddle campus. His suggestions for improving crime prevention on campus included the establishment of a Crime Watch program for dormitory and University managed off-campus housing, improved campus lighting, a student escort service, more on-campus activities in order to provide more eyes and ears to spot suspicious activities, and the increased use of door and window locks.

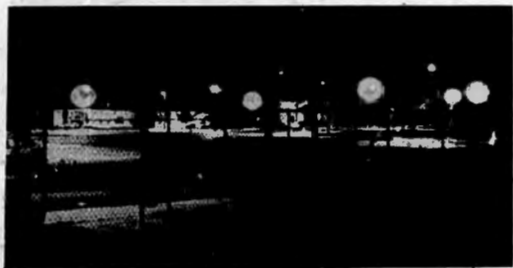
Wandell also suggested making it

easier for dormitory students to report suspicious activity. Currently, students without personal telephones must try to find a Resident Assistant or use a pay-phone to contact the police or Riddle security.

A problem that Wandell noted about lighting on campus was that there was not enough shading between areas of bright lighting and areas with little or no lighting. He explained that such a situation makes it easier for someone to hide in shadows.

Since Wandell's visit, the lighting situation has improved with the completion of construction on new campus facilities. According to Charles Fountain, high pressure sodium lights have been installed in the Dorris I parking lot. He said that additional lights are to be installed shortly near Spang's Hall.

University housing officials were unavailable for comment concerning the establishment of a "student crime watch" program, but SGA president Chris Seckinger said that they would look into it. He noted that it would be an excellent project for dorm representatives to undertake.



New campus construction has alleviated some of the lighting problems on campus, but

not all. Police Officer Gary Wandell says some areas are still a hazard to students.

Avion photo by Paul Newman



Avion photo by Paul Newman

Pool party produces 'porcine' delight

By Larry Rice

The combined efforts of the several SGA divisions, Epsilon, and outside sponsors brought about a successful summer pool party, according to Chris Seckinger, SGA president. The party promptly began at 3 p.m. Friday, June 12. Thus the solicitation of donations and "rsvp" support, by the suggestion of Seckinger, the SGA obtained much of the food offered to the ERAU

students and faculty at no cost.

Don Tyson, SGA Representative, canvassed for donations from local merchants and businesses that sell primarily to students. HERFF JONES donated a barbecue grill, valued at \$225. They also donated \$300 to assist in the purchase of a 100 lb. whole pig and 50 lbs. of pork. Epsilon provided the other food items to supplement the roasted pig. Hing's Canoeing Cuisine provided a professional cook to assist in the barbecuing.

Entertainment paid for the band, Windjammer, and supplied the beverages for the party. A Health Department day permit and inspection was required to roast the pig beside the pool. Students and faculty were given five tickets for drinks. Tickets and food were available to guests for three dollars.

Seckinger and Tyson hope that with the cooperation of all the SGA divisions and local business contributions, more events such as this may be possible.

Seniors elect President

Cooper takes the helm, Verhagen second

By Lenore O'Neill
Avion Staff Reporter

The graduating summer class held elections at their first meeting to elect Senior Class Officials. Laura Ranfor, Senior Class advisor, opened the meeting by introducing the candidates for elected offices and stated plans for the proposed events.

Among the candidates running for president were Scott Cooper, Sandeep Kaul and Kathy Trogden. Rene Verhagen remained unchallenged for vice president. During the course of the meeting, Scott Cooper was voted president by a sizable margin.

The summer graduation will take place in the Peabody Auditorium on August 15, 1987 at 10 a.m.

ISLAND-

(continued from page 1)

flown by Co-Founder John Paul Riddle, has appeared 'by been located and efforts are unda. way to see if it can, perhaps, be donated to the university.

The project is still in the early stages, so it will be a while before the object, whatever it turns out to be, is erected. President Tallman, however, commented that they would probably be asking around for opinions before anything actually went up.

EAGLE FLIGHT CENTER

New campus construction has alleviated some of the lighting problems on campus, but

not all. Police Officer Gary Wandell says some areas are still a hazard to students.

Avion photo by Paul Newman

EAGLE FLIGHT CENTER

LOWEST RATES/LARGEST SELECTION

F.A.A. 141 Approved Flight School- ALL RATINGS

★ F.A.A. Written tests (given 7 Days/Week) ★

Rentals (Wet)	Per Hour	Rentals (Wet)	Per Hour
C150	\$27.00	Arrow (IFR)	\$59.00
C152 (5)	\$33.00	Mooney (Loaded, IFR)	\$59.00
C152 IFR (2)	\$33.00	Saratoga SP (New, Loaded)	\$90.00
C152 Aerobat	\$33.00	Seminole (Twins) (2)	\$110.00
C172 IFR (6)	\$44.00	Seaplane (Lake Buccaneer) (Dual)	\$130.00
C172RG	\$55.00	Beach Baron (Twin)	\$115.00
Warriors	\$47.00	Simulator (AST 300 S/E & M/E)	\$16.00
Super Decathlon	\$49.00	Complete Aerobatic Course (C152A)	\$425.00

Aircraft for sale
and leaseback

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EAGLE FLIGHT CENTER
IS BUYING MORE AIRPLANES
CALL US IF YOU HAVE A GOOD
CLEAN AIRPLANE!!

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- ★ Telex Headphones
- ★ Books & Supplies
- ★ Charts — "Lowest Prices in Florida"
- ★ TT920 Transceivers
- ★ Leather Flight Jackets
- ★ Vinyl Flight Jackets
- ★ David Clark (H10-30) Headset

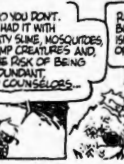
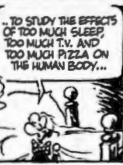
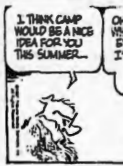
1624 Bellvue Ave.
On Daytona Beach Regional Airport
(Just Off Clyde Morris - 1 Block South of ERAU)

255-3456

BLOOM COUNTY BERKE BREATHED

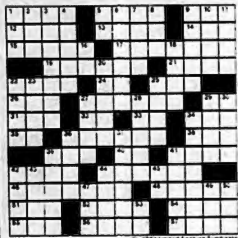
SHOE

JEFF MACNELLY





The Puzzle

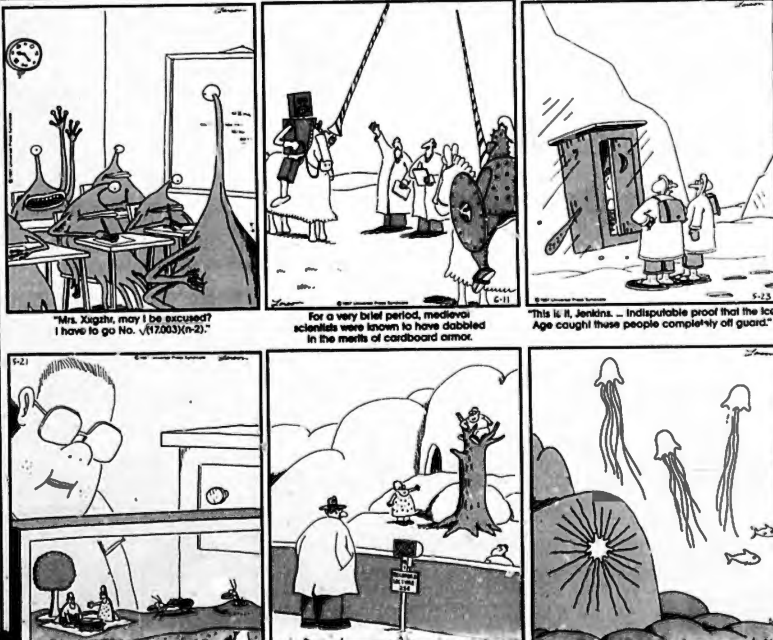


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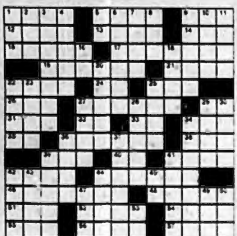
See SOLUTION, page 4

GARY LARSON

THE FAR SIDE



The Puzzle

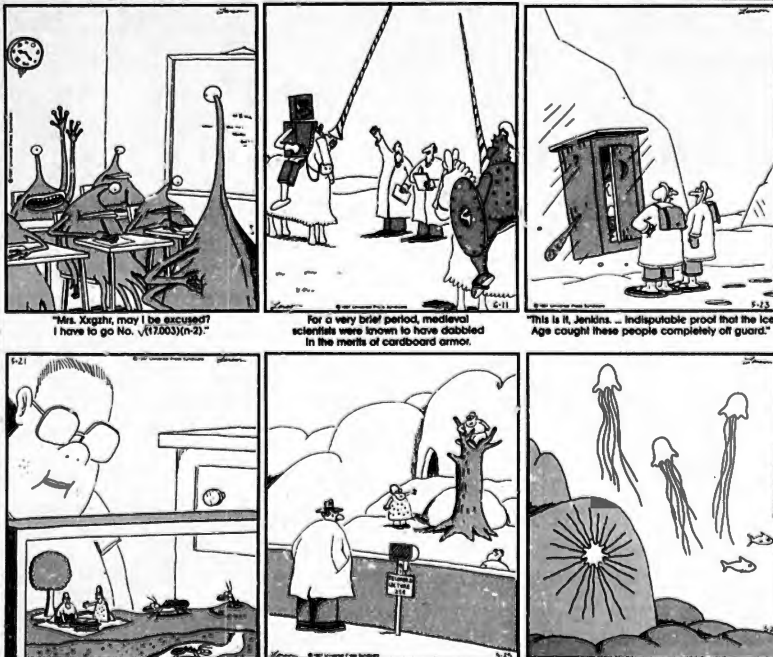


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See SOLUTION, page 4

GARY LARSON

THE FAR SIDE



Stephen King's childhood art form.

At the Children's Zoo

When jellyfish travel at unsafe speeds

What's Happening

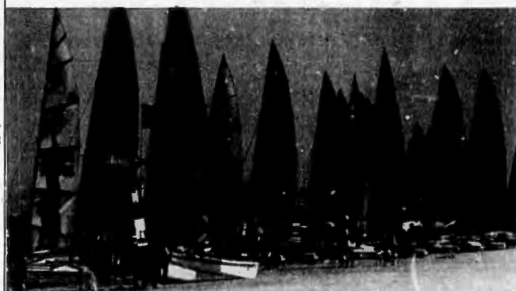
By Brian Mosdell
Avion Sports Editor

WE'RE WORKING ON IT...The library field was rolled twice after its sodding but is still dangerously uneven. In this short term, four players have injured ankles or feet on the unsure pitch. Injuries are serious and solutions must be found. We requested the field be rolled by the ground crew. Unfortunately ERAU does not have the equipment necessary to do the job. Due to a summer-weakened staff, the ground crew is hard-pressed to keep the grass mowed. Even a steamroller might not be able to flatten the field because of underlying concrete, but it never hurts to try. Halifax Paving is coming to campus to roll the all-purpose field (next to library) this week and hopefully the library field, again.

SOCCER CLUB...We're hoping to get some games for Summer II, prior to joining the Central Florida League in the Fall. We are beginning to form a very strong nucleus from which to build. The team has acquired a volunteer coach to assist us until the university can provide one. James Jewell, a track and soccer coach at Mainland High, will donate as much time as possible to the team. Thanks Jim! As soon as we get goalposts for the library field and the pitch is improved, we can invite visiting teams onto our campus. The team is dedicated to winning in the fall. The entry cost for the league is \$600. Without support from ERAU, the cost will reach approximately \$40 per player. An outside sponsor is still an alternative. Players who must continue to show: Bill, Adam, Mohammed, Amer, Jerry, Yoni, James, Russell, Andy, Fred, Cliff, and Robert. All are welcome.

COMPLAINTS...Booo on the Sports Editor. I told our players practice is every Monday and Wednesday, 5-7pm. Typically, I've missed a couple of sessions, sorry. Thanks for straightening me out James, but I was busy at the Avion; no...I had to save our spastic lifeguard from drowning during the Advanced Life-saving Course; uuuuh...my neck was broken, yeah, that's it. Anyway, practice is now hereby changed to 6pm, same place.

Hobie 17 Nationals at Daytona



Have a Hobie Day...

Hundreds of avid sailors came to Daytona Beach to participate in the Hobie 17 Nationals.

The Hobie 17 U.S. National Championship was held here in Daytona Beach, June 1-6 at the Holiday Inn Surfside. Sailors from as far as Australia and Hawaii came to participate.

Bob Curry, from Tampa, captured the title. Brett Dryland from Perth, Australia got second and Alan Egusa from California placed third. Hobie Alter, of Hobie Cat, took fourth place and local Charlie Bird got sixth.

The colorful fleet attracted many central Florida sailing fans and a lot of beachgoers. Moderate to strong winds throughout most of the regatta kept everybody excited.

This was an all- amateur event. A fleet of 88 entries had to be cut down to half through the qualifying regatta, held Monday through Wednesday. The actual championship took place Wednesday through Saturday.

The champion Bob Curry is a three-time national champion in Hobie 14. In 1984 he became world champion. Curry is a U.S. Air Force Meteorologist stationed at MacDill Air Force base.

Avion Scoreboard

Softball

JUNE 5, 1987

DOGS	13
WANKERS	8
SINGLES	3
AERO ENGINEERS	16

LOUIE'S OUTLAWS25

VETS7

JUNE 12, 1987

DOGS0

LOUIE'S OUTLAWS20

CHAMPIONSHIP

LOUIE'S OUTLAWS10

AERO ENGINEERS2

Free-throw

JUNE 15, 1987

WINNERJerry Jones

Basketball

CHAMPIONSHIP GAME
JUNE 4, 1987

CELTICS20

MIKE'S TEAM10

Louie's Outlaws Wins Softball

By Brian Mosdell

Louie's Outlaws milled to an easy championship victory in Embury-Riddle's intramural softball tournament. There never was any competition for Louie's as they defeated the Aero Engineers 10-2 Friday night in the title game. Louie's

led by two runs after one inning, and by three at the end of two. Good pitching by Louie's prevented the engineers from getting into the game, and fielding errors kept the engineers out of it.

Louie's also play in the city softball league, giving them a competitive advantage over other ERAU teams. Louie's

won all their intramural games, scoring in double figures every game. They moved into the championship game after whipping the Dogs 20-0. The Aero Engineers drew a bye after defeating the Singles 16-3, but were no match for the more experienced team, despite strong departmental support.

Bad News...

The racquetball courts have been torn up since April. Play may soon be possible on one

court temporarily, but they will not be fully operational until mid-term, Fall 1987.

Racquetball Courts: "Out For Season"

By Brian Mosdell

Sorry racquetball fans, and try to stay patient. Our courts are seriously damaged and won't be refinished for three to four months.

For approximately the tenth time since their completion four years ago, the school courts need repair. The problems have always been the same, the Florida sun. On hot summer days, the temperature of the building's exterior can reach 110 degrees. Air conditioning keeps the interior at a steady 74 degrees. Condensation and thermal expansion cause serious problems in the structure. The outside of the playing wall

expands relative to the wall's interior. This causes the entire wall to bow, initiating fracture throughout the structure. Put simply, the walls are cracking and the floorboards are warping. Moisture from condensation has ruined the wooden court.

R. H. Wilson and Associates designed our racquetball courts and were called in recently to consult on the repair solution. Ron Wilson inspected the courts in early May and produced a formal report on June 4. Court repair will consist of wall repair and floor replacement in some sections. Mr. Wilson's report confirms structural integrity of the framework but preventative mea-

sures must be undertaken as a fix. The most likely solution to the thermal problem is insulation in the walls, but sealing is a semi-desirable alternative.

The building reportedly met the specifications outlined by the university but didn't rule out the possibility of a flawed design. In this case it's a disappointing fact could be held accountable for repair expense. However, ERAU opted for a low-budget facility four years ago, and that's what we got.

Anyway, the president has some practice time before taking on the student body.

Riddle Students Safety Trained

By Brian Mosdell

This week Embury-Riddle students taking the Advanced Life-Saving course too if they have what it takes to protect America's bathers. Examinations will mark the end of the five week course given by Larry Benninger in conjunction with the American

Red Cross.

This course (ALS) is one of a series given at ERAU. Students can also receive training in first aid, cardiopulmonary resuscitation, and Lifeguarding. Prerequisites for Lifeguarding are the three other classes. At present, one needs only his ALS certificate to be hired as a lifeguard. In the near future requirements will include

the Lifeguarding certificate. This is a new advanced program sponsored by the Red Cross, and will be offered here at the start of the fall term.

All of these courses are inexpensive, ranging between three and eleven dollars each. Students learn a wide variety of rescue and life-saving techniques. Students in right practice the cross chest carry.



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whipping the Dogs 20-0. The Aero Engineers drew a bye after defeating the Singles 16-3, but were no match for the more experienced team, despite strong departmental support.



Faculty Power...

Engineering instructor Glen Greiner makes contact in a losing effort.



Student makes jet engine

Turbine engine developed for aluminum hull boat

By Timothy S. Van Milligan

Not many students own a turbine engine, but Chris Cuneo, an Aviation Technology student, does. In fact, Chris, along with friend Pete Buckner, built their own centrifugal flow turbo jet engine.

Their project took only three days to build and get running. The design, according to Cuneo, is simple. It uses a 6 1/4 inch diameter centrifugal compressor, a "cas" type smokeless combustor with atomizing nozzle, a 6 inch diameter radial inflow turbine, and an oil pump powered by bleed air off the combustor. The total cost of the turbine was less than \$20. The compressor and turbine (from a 650 horse power marine engine) were donated, and the combustor was built in the machine shop where Chris works. The oil pump was salvaged from an old Chevy engine. This total simplicity makes Chris wonder why many others do not build their own engines.

The operation of the engine is very smooth. It is started first by spinning the compressor to a speed of approximately 30,000 rpm; this is done with the help of a slightly modified electric drill motor. Once this has been accomplished, the pressurized fuel tank is opened to allow the fuel to enter the combustor. As it enters the combustor, it is atomized with the aid of spray nozzle taken from an old oil burning furnace. Here it is ignited with an automobile spark plug. Once ignited, the hot gases expand and flow out through the turbine section. Chris estimates that the turbine produces 250 horsepower to drive the compressor at its 30,000 rpm design redline. The engine idles at around 35,000 rpm.

Currently, Chris estimates that the engine produces about 110 to 120 pounds of thrust. He expects to raise this to 200 lbs. after he attaches the



Chris Cuneo poses behind his latest creation, a centrifugal flow turbine engine. The engine, with afterburner, will produce approximately 200 pounds of thrust.

afterburner to it. Currently, the engine rests on a 55 gallon oil drum filled with water, but Cuneo intends to put the engine on the back of a 12 foot aluminum tunnel hull boat he also has built. The total weight of the engine is

about 50 lbs. and is not aircraft certified. When asked what his future design plans are, Chris responded that he hopes to build another turbine engine, and put it in a kit-built airplane.



By Lynne Evans
Counseling Center

The Games People Play is the title of a book written in the late sixties by Dr. Eric Berne. The phrase was coined to describe some interactions we now witness in relationships. It is often said that there is nothing like the refreshing innocence and honesty of a child. If you have been around those in the age range of 2-7 you will have noticed this phenomena. Unfortunately, as we grow older this tends to change. The evolution occurs because our environment teaches us that it is not always safe or advantageous to say exactly what you think or feel and thus the coined phrase the "Games

FLASH For Leisure And Student Health

People Play" comes into the picture. In relationships with friends, family, and co-workers there are differing levels of trust. It is the establishment of trust that allows us to drop the walls of our established defense mechanisms and show our vulnerabilities.

There are some situations where people find games valuable. Games are often used to keep power or control over a situation. A good example of this would be in the situation of a consumer/salesperson. The salesperson does not point out all the deficits of their product nor does the consumer always express exactly what his intentions are in regards to buying the item. This jockeying for position is well accepted in the world of consumers, but it is not so well taken when the power plays and games are extended into relationships. This is especially

true in these relationships that mean much more to us such as in the home or work place. So why do they occur? Many times it is because the level of self-confidence of the game player is not high. They may feel if the people could really see how they are, their friendship/relationship or position would be endangered. The title of the game, player is uncomfortable at best, because they are unable to relax. If you feel that you are getting caught up into the games and have lost touch with your real self, take time to re-evaluate your values. Set some goals for a change and talk to the people involved. You'll be surprised and happy at the results.

"Consumer Rights Seminar", will be held Friday, June 19 at noon in the Common Purpose Room of the University Center. Bring your lunch and eat while enjoying the presentation.

Bagpiper newspaper bagged at DBCC

By Donna Callea
The News Journal

Editor's Note: Reprinted with permission from the Daytona Beach News Journal.

Daytona Beach — Last September, after the American Civil Liberties Union helped to guarantee its right to freedom of the press, The Bagpiper, Daytona Beach Community College's student newspaper, celebrated its independence in the first issue. "A New Bag Is Born" heralded a headline in the Sept. 2, 1986, issue of the 16 year old newspaper which was previously published through DBCC's communicating arts department. But after less than a year of independent operation, during which time it had become a focus of cam-

pus controversy, student government officials have decided to scrap The Bagpiper and begin again in the fall with a new publication.

"We're in the process of reorganizing and renaming (the newspaper)," said Mark Miller, 20, president of DBCC's Student Government Association, which became responsible for the newspaper last year.

The Bagpiper had "gotten out of hand," he said recently. "Business-wise it was run poorly. Image-wise it was run poorly. Journalism-wise it was run poorly."

The Bagpiper's transition from what once was termed a laboratory experiment for journalism students to a controversial campus publication began in 1985 when a student complaint was filed with the ACLU. The complaint charged that students worked on the paper for col-

lege credit, and an instructor rather than a student editor decided what would be published, who would write stories and hold top positions and whether advertising would be sought.

Freedom of the press was at issue, according to Robert Elton, a local attorney who handled the complaint for the ACLU.

"The ACLU provided assistance with negotiations" between students and administration, he said. But litigation was not necessary, since DBCC's administration decided "voluntarily" to give the Student Government Association control of the paper and provide it with operating funds.

Last summer the SGA, which received a \$10,000 grant from DBCC for the newspaper, hired Ron Hunt-

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NEVER AN ADMISSION

Currently, Chris estimates that the engine produces about 110 to 120 pounds of thrust. He expects to raise this to 200 lbs. after he attaches the

afterburner to it. Currently, the engine rests on a 55 gallon oil drum filled with water, but Cuneo intends to put the engine on the back of a 12 foot aluminum tunnel hull boat he also has built. The total weight of the engine is

about 50 lbs. and is not aircraft certified. When asked what his future design plans are, Chris responded that he hopes to build another turbine engine, and put it in a kit-built airplane.

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NEVER AN ADMISSION FEE FOR RIDDLE STUDENTS*

MONDAY - GET YOUR FAVORITE DRINKS FREE
FROM 8PM THROUGH 12PM.

TUESDAY - LADIES, YOU DRINK FREE FROM
9PM TO 1:30AM!

WEDNESDAY - DOLLAR BEER NIGHT!

THURSDAY - EVERYBODY DRINKS FREE 9PM
THROUGH 12AM!

FRIDAY - GET YOUR FAVORITE DRINKS AT 2
FOR 1; ALL NIGHT LONG!

SATURDAY - TWO FOR ONE DRINKS ALL
NIGHT!

*Except free drink nights.

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